

Control of Gene Expression In Eukaryotes

ABSTRACT

5 A chemically inducible gene expression system is described. A chimaeric gene
having a first sequence comprising a promoter and a regulator polypeptide is linked with a
second sequence comprising a promoter and a coding or non-coding sequence. Expression
of the target gene of the second sequence is controlled by the regulator polypeptide which is
acted upon by an inducer. The inducer is a chemical compound, such as OHP, which acts
10 upon the OHP responsive regulator polypeptide, which can be obtained from *Rhodococcus*
sp. V49.

Various domain regions and complementary response elements are also described.

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